

FIG.1

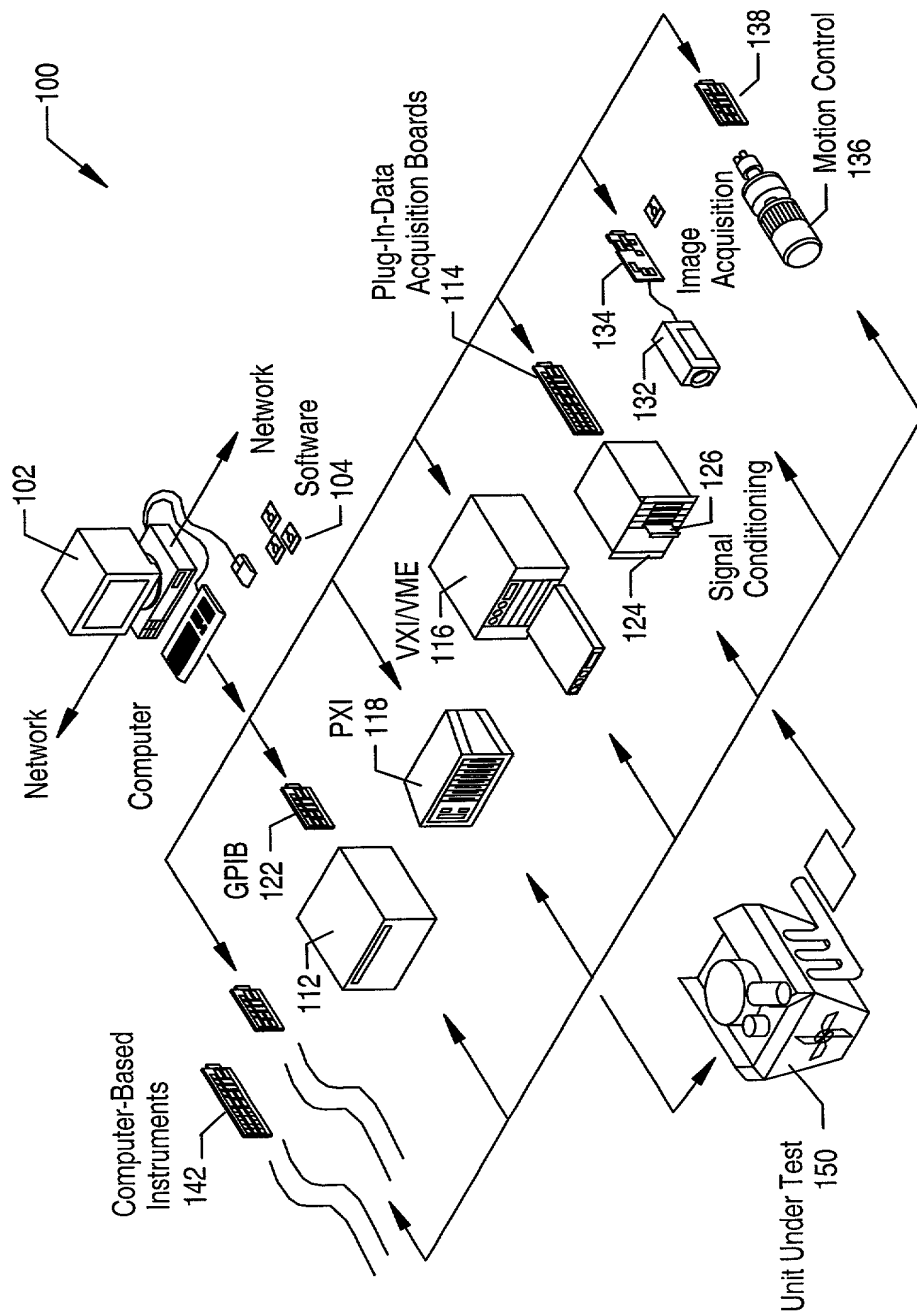


FIG. 2A

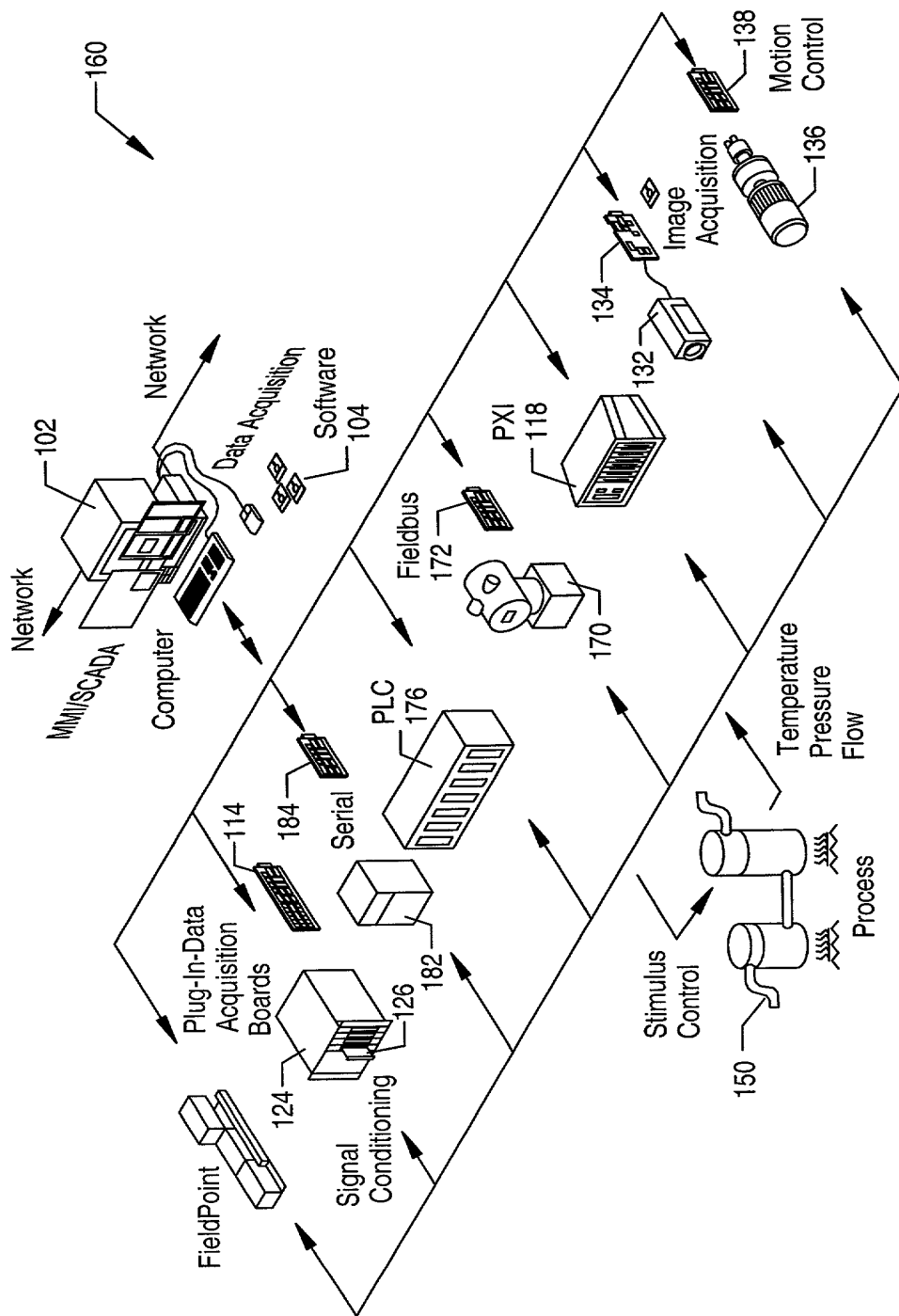


FIG. 2B

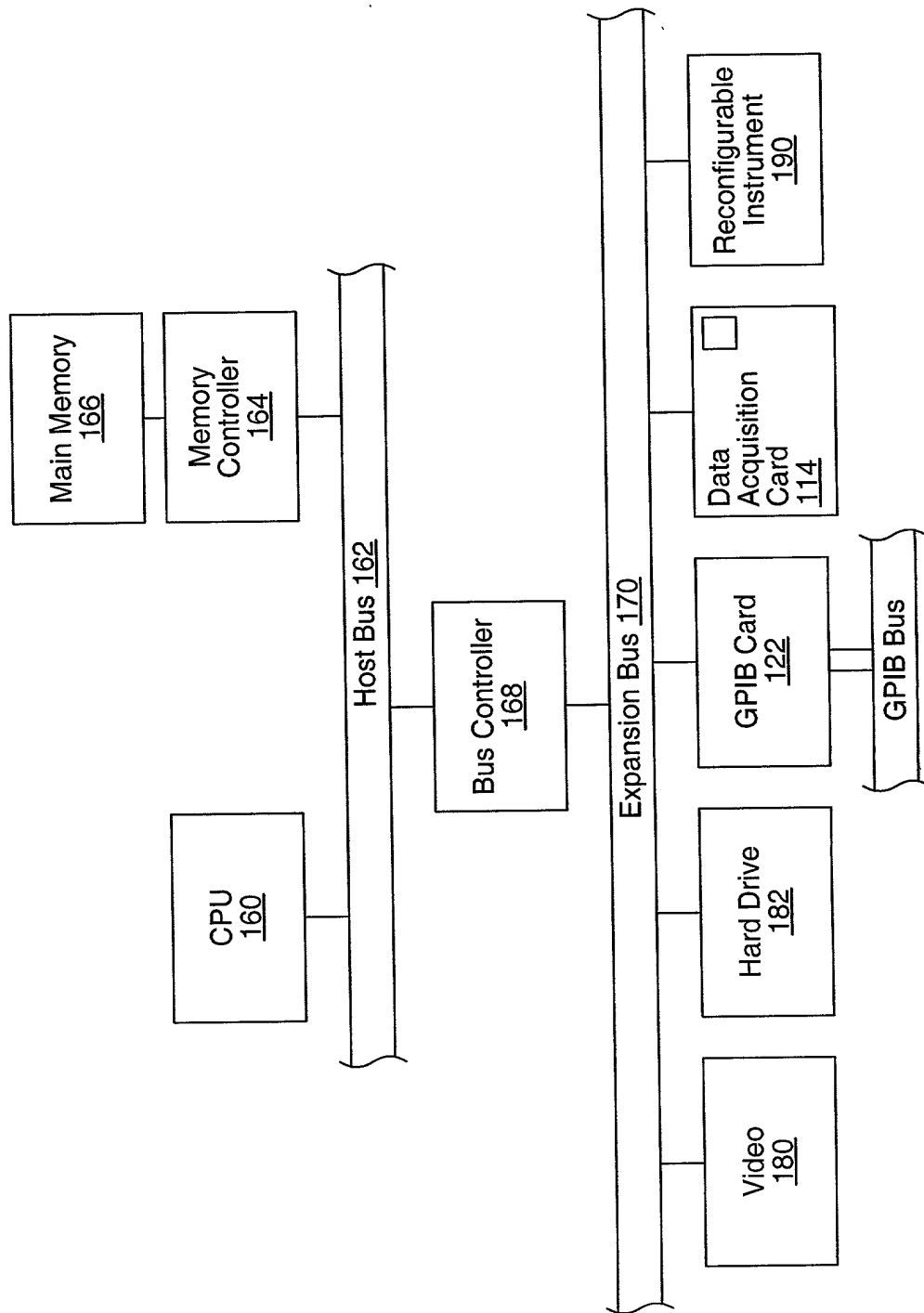


FIG. 3

Developer creates a graphical program generation (GPG) program, wherein the GPG program is operable to generate a plurality of graphical programs, based on received information  
200

Specify program information, e.g., in response to user input, wherein the program information specifies desired functionality to be implemented in a graphical program  
204

execute graphical program generation (GPG) program  
206

GPG program receives information specifying functionality for a graphical program (or graphical program portion)  
208

GPG program programmatically generates a graphical program (or graphical program portion) to implement the specified functionality  
210

FIG. 4

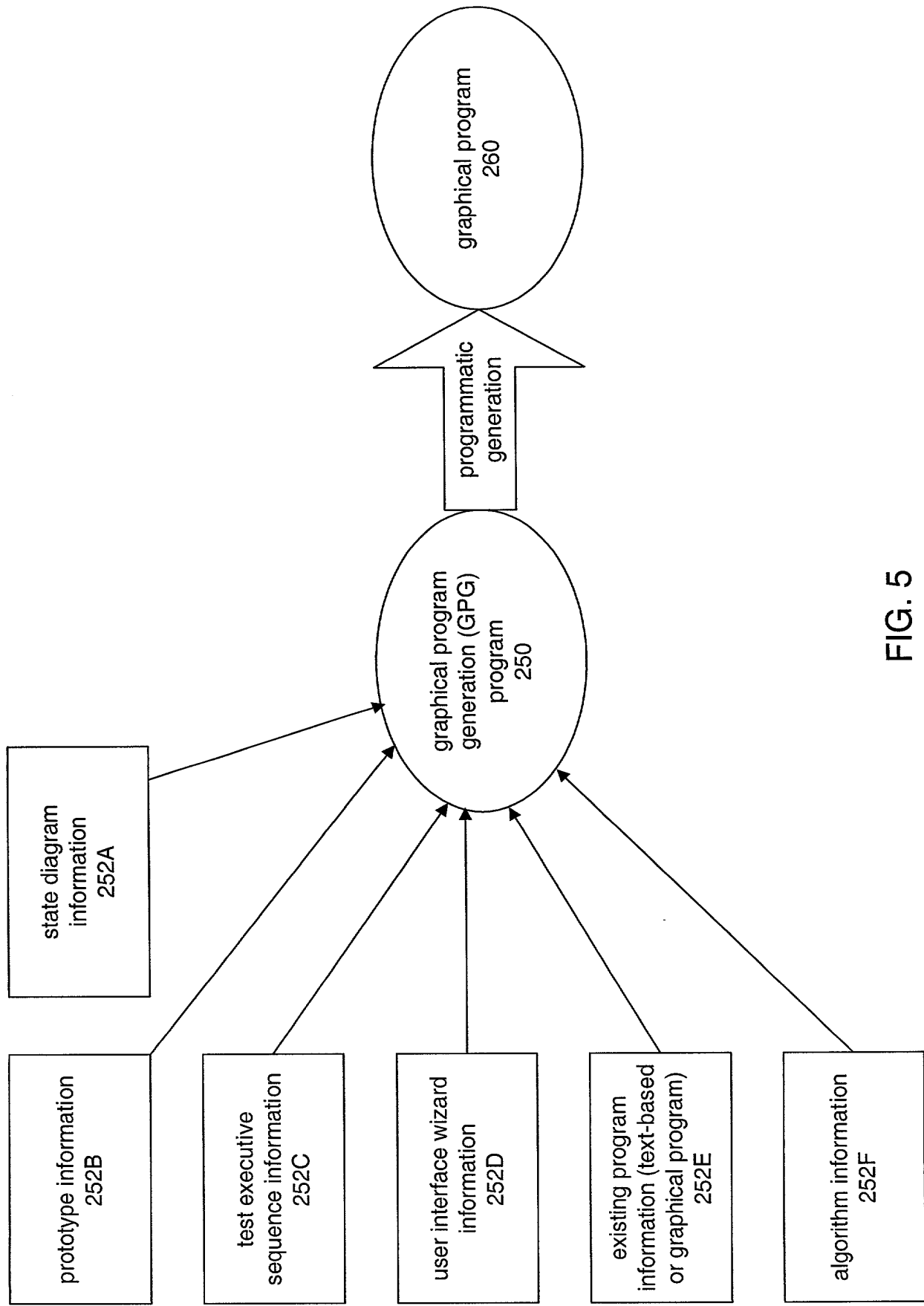


FIG. 5

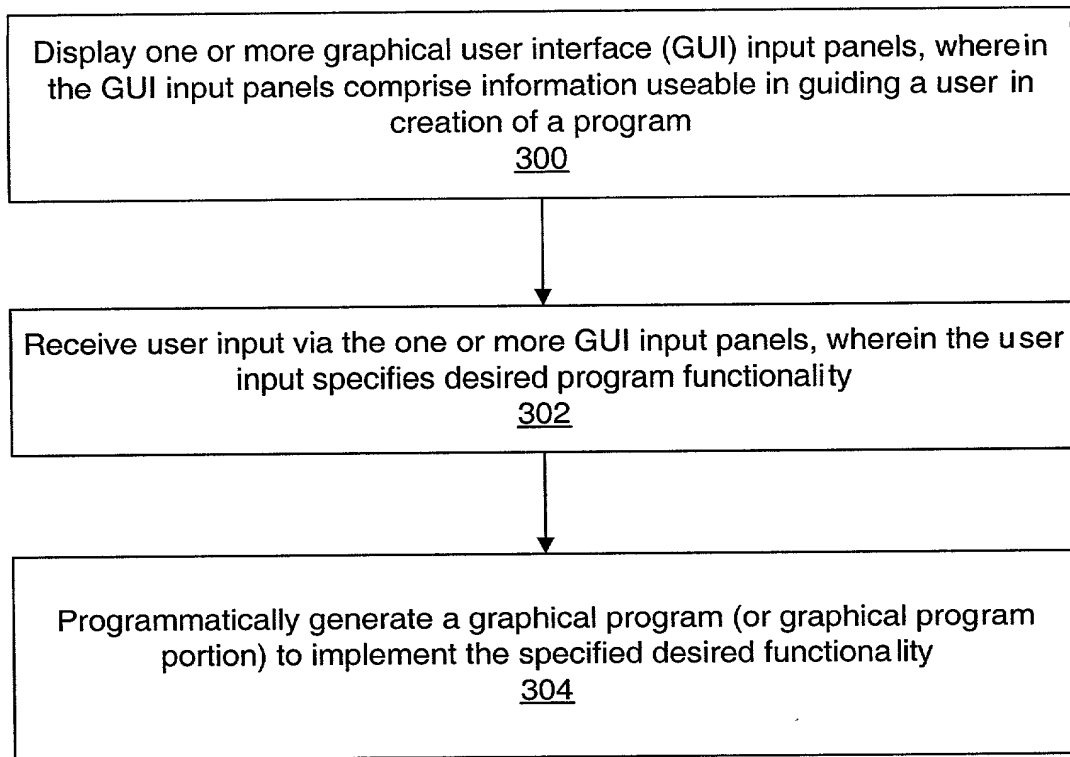


FIG. 6

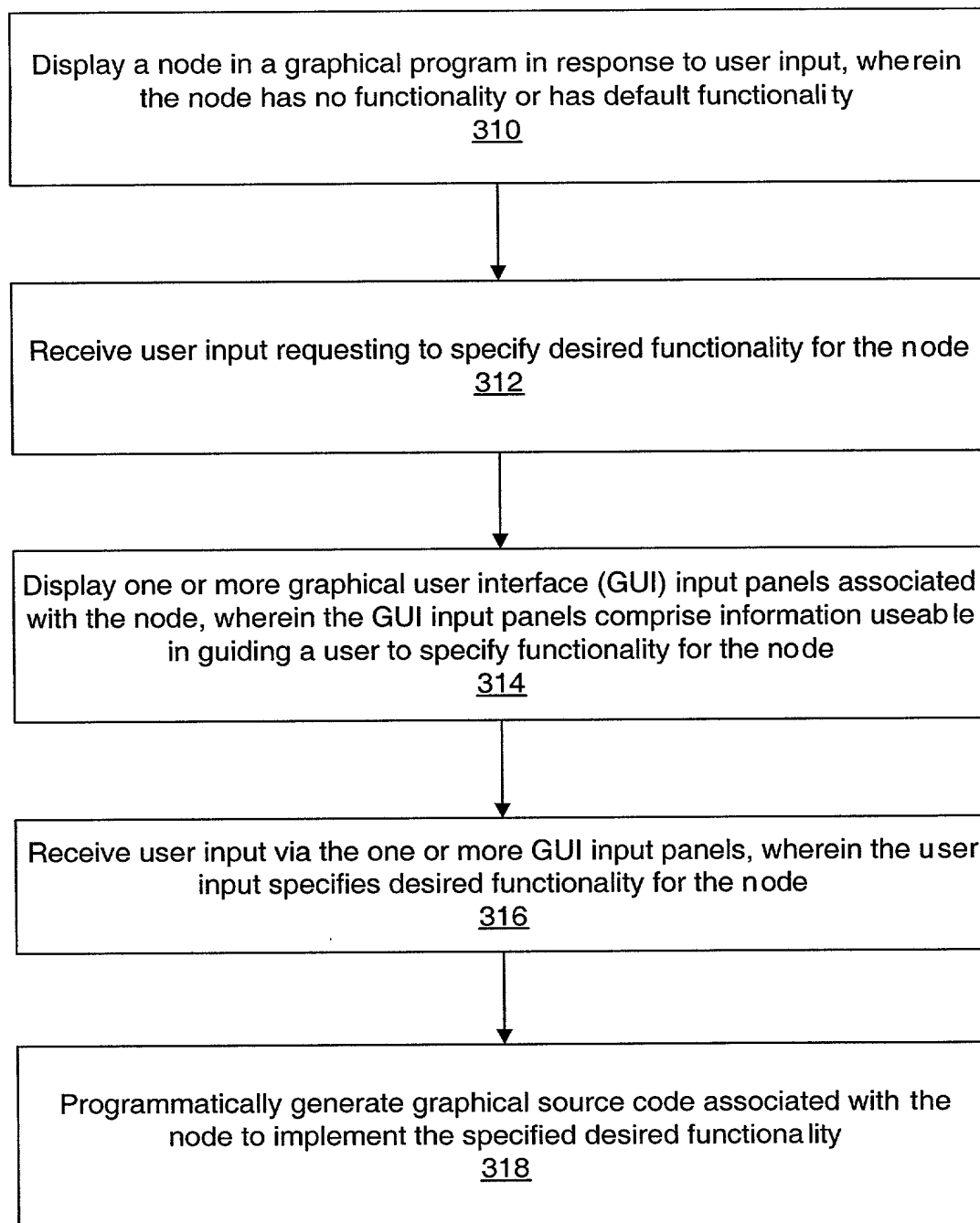


FIG. 7



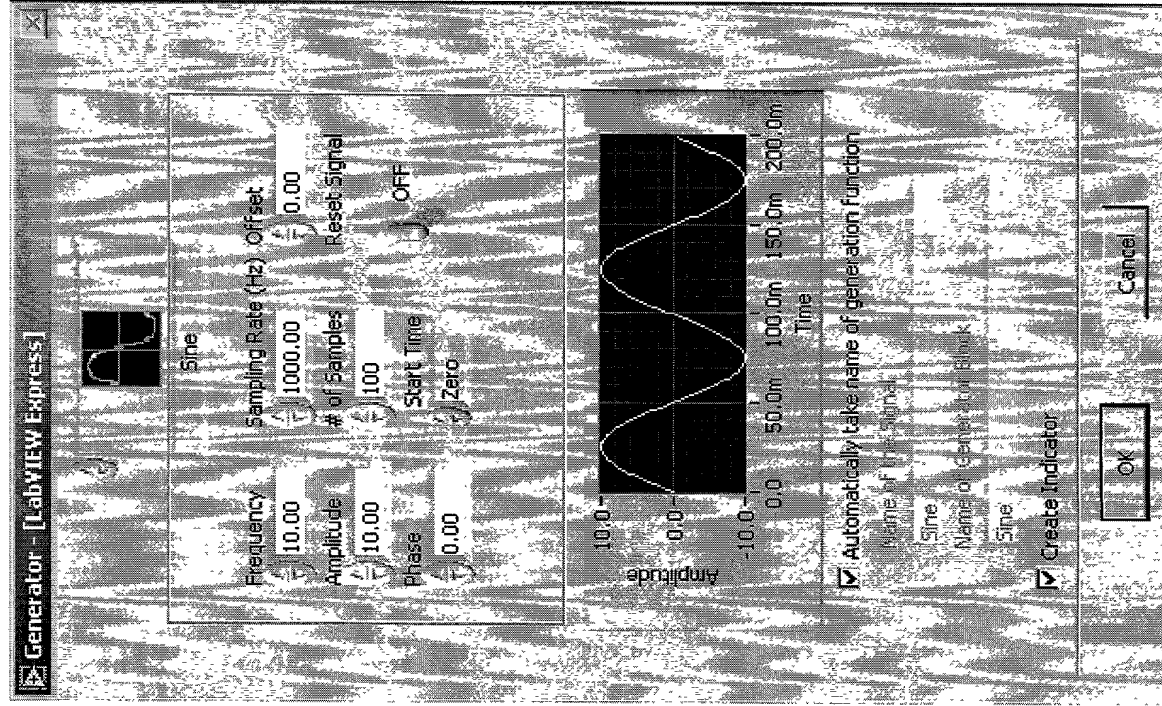


FIG. 8

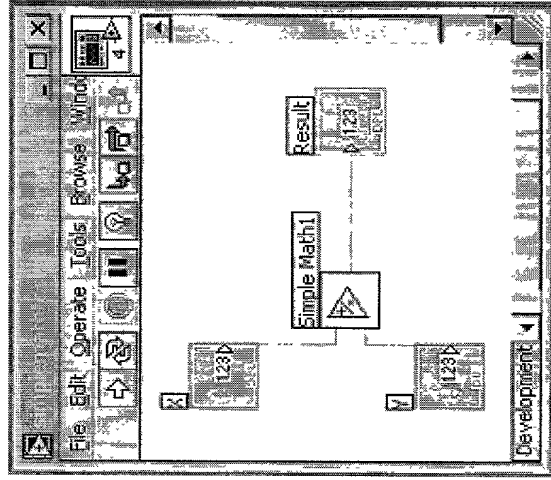


FIG. 9

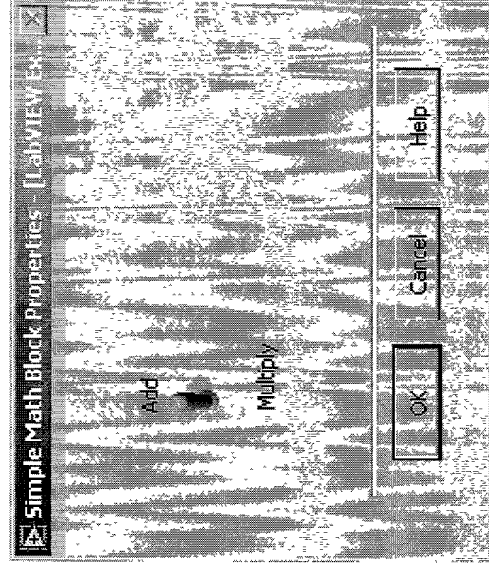


FIG. 10

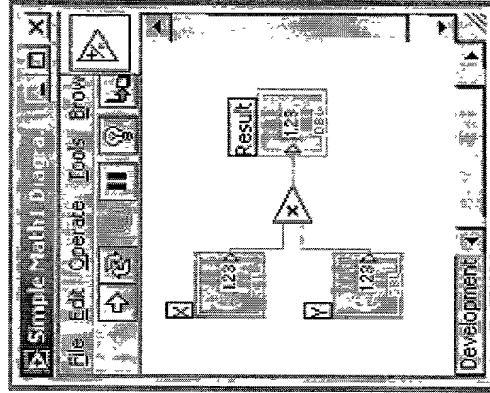


FIG. 11

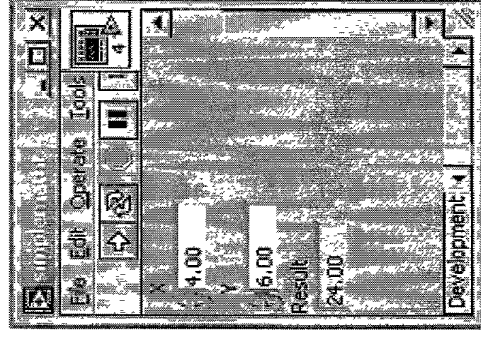


FIG. 12

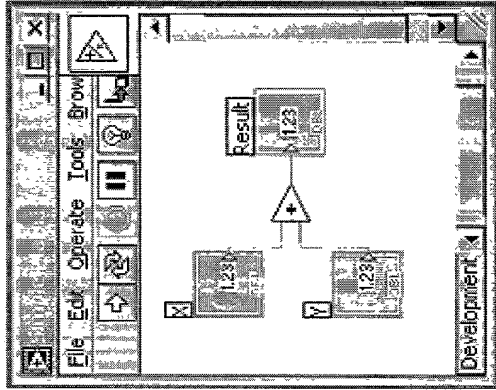


FIG. 13

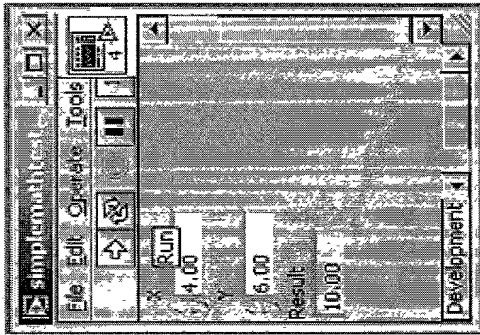


FIG. 14

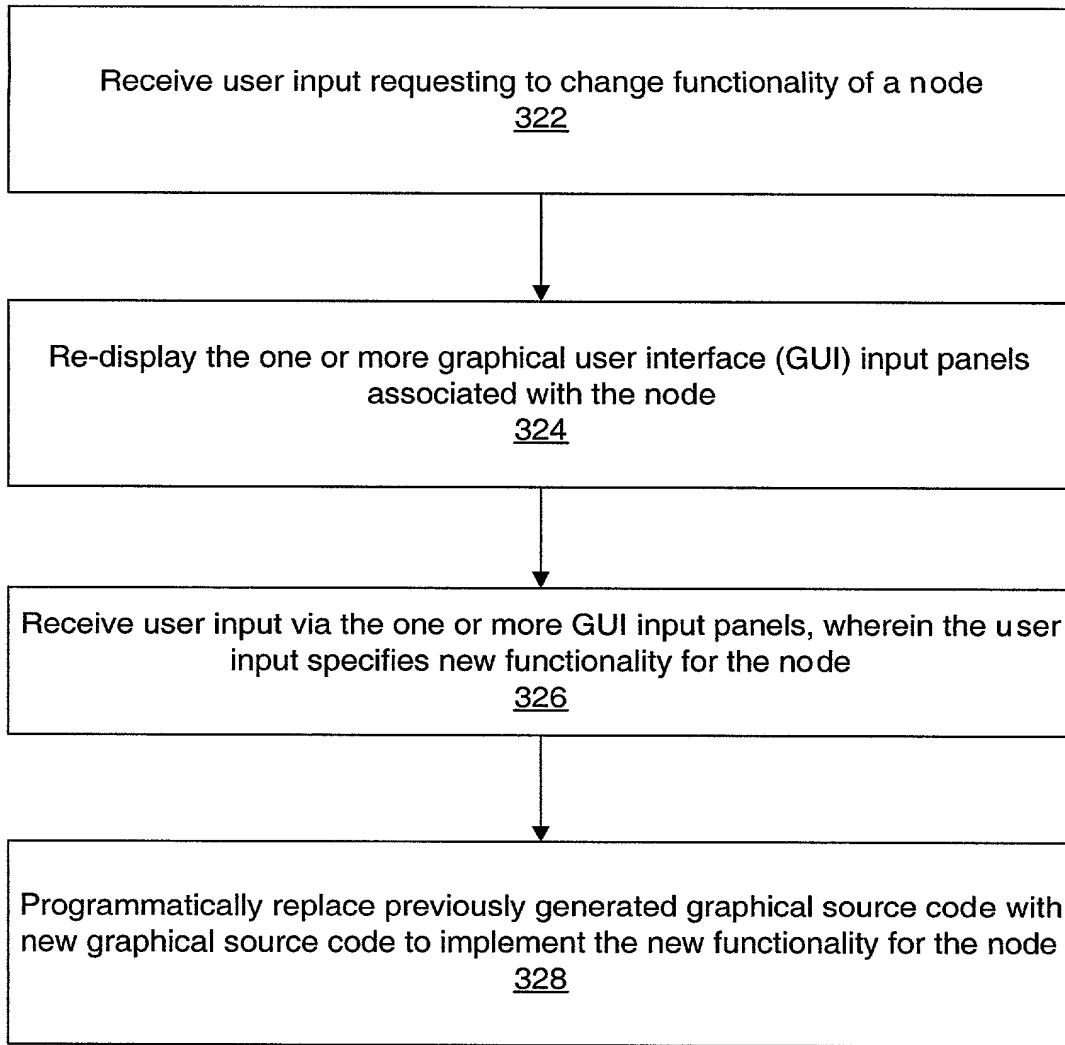


FIG. 15

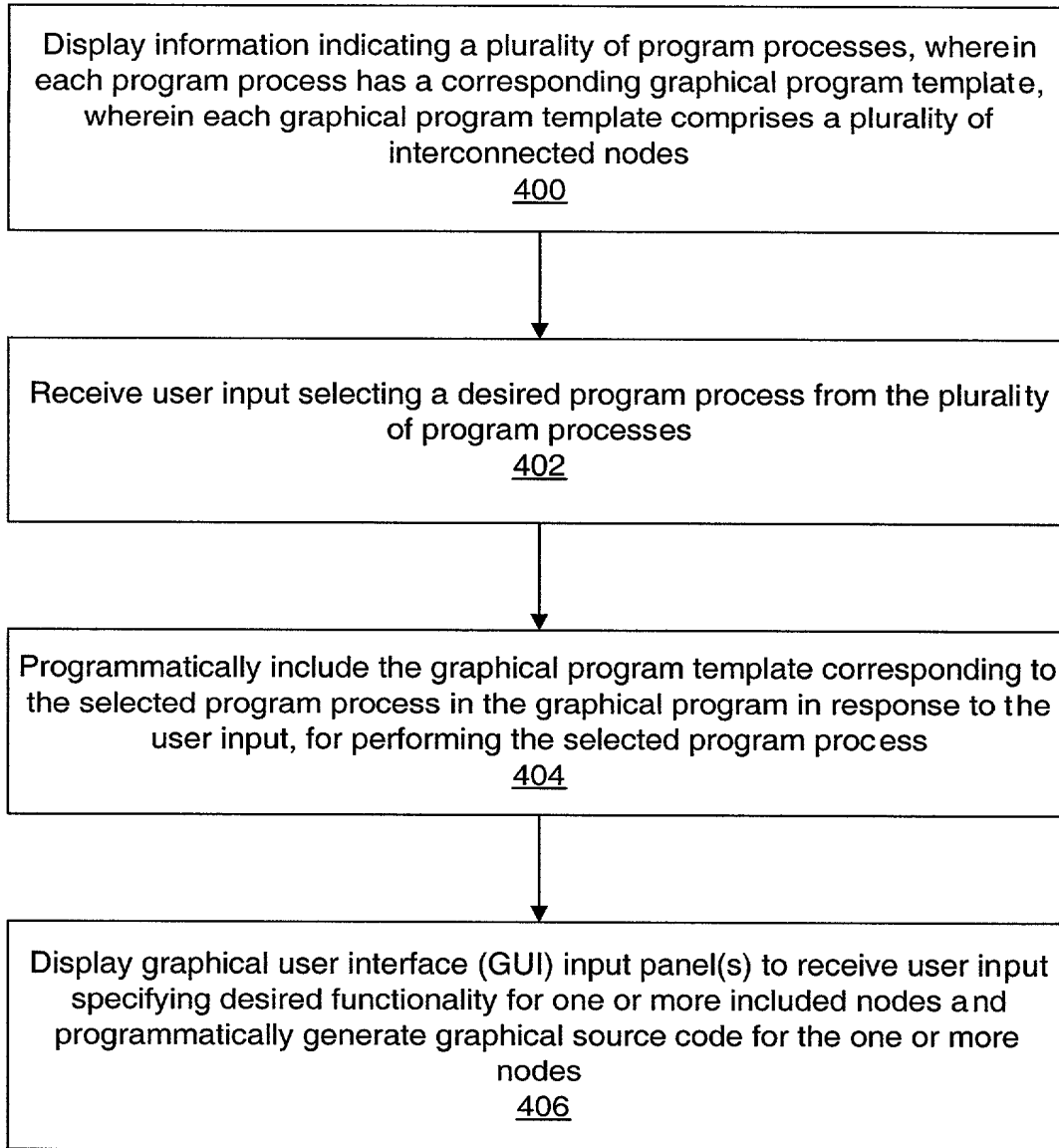


FIG. 16

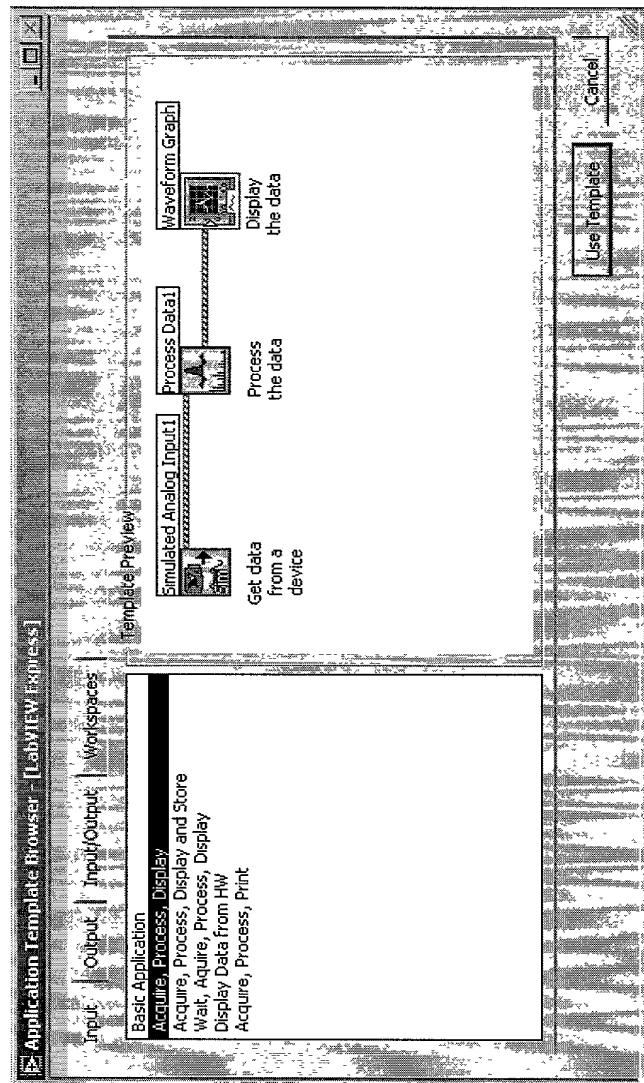


FIG. 17

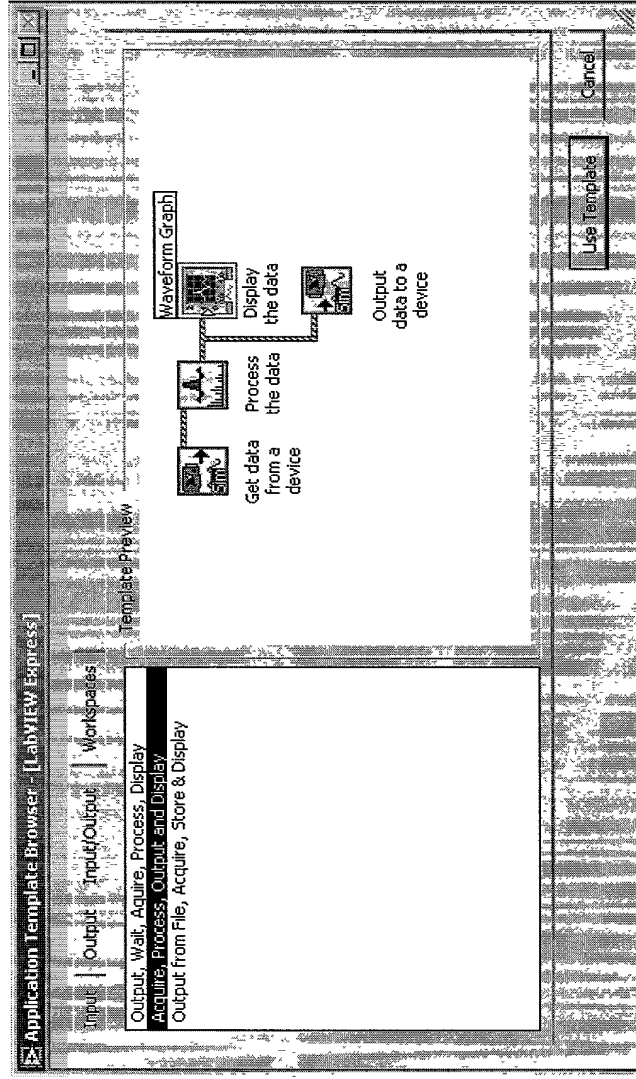


FIG. 18

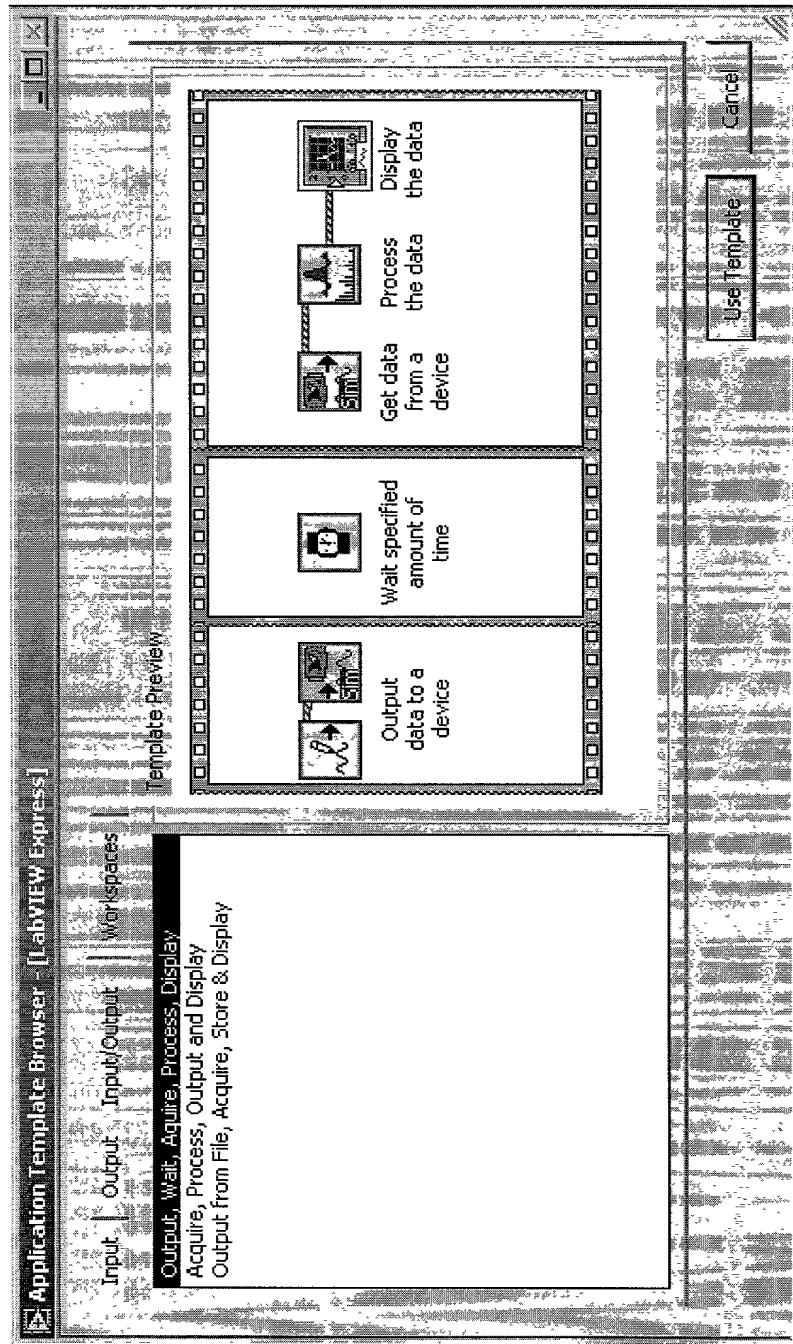


FIG. 19



100290" 6E29860

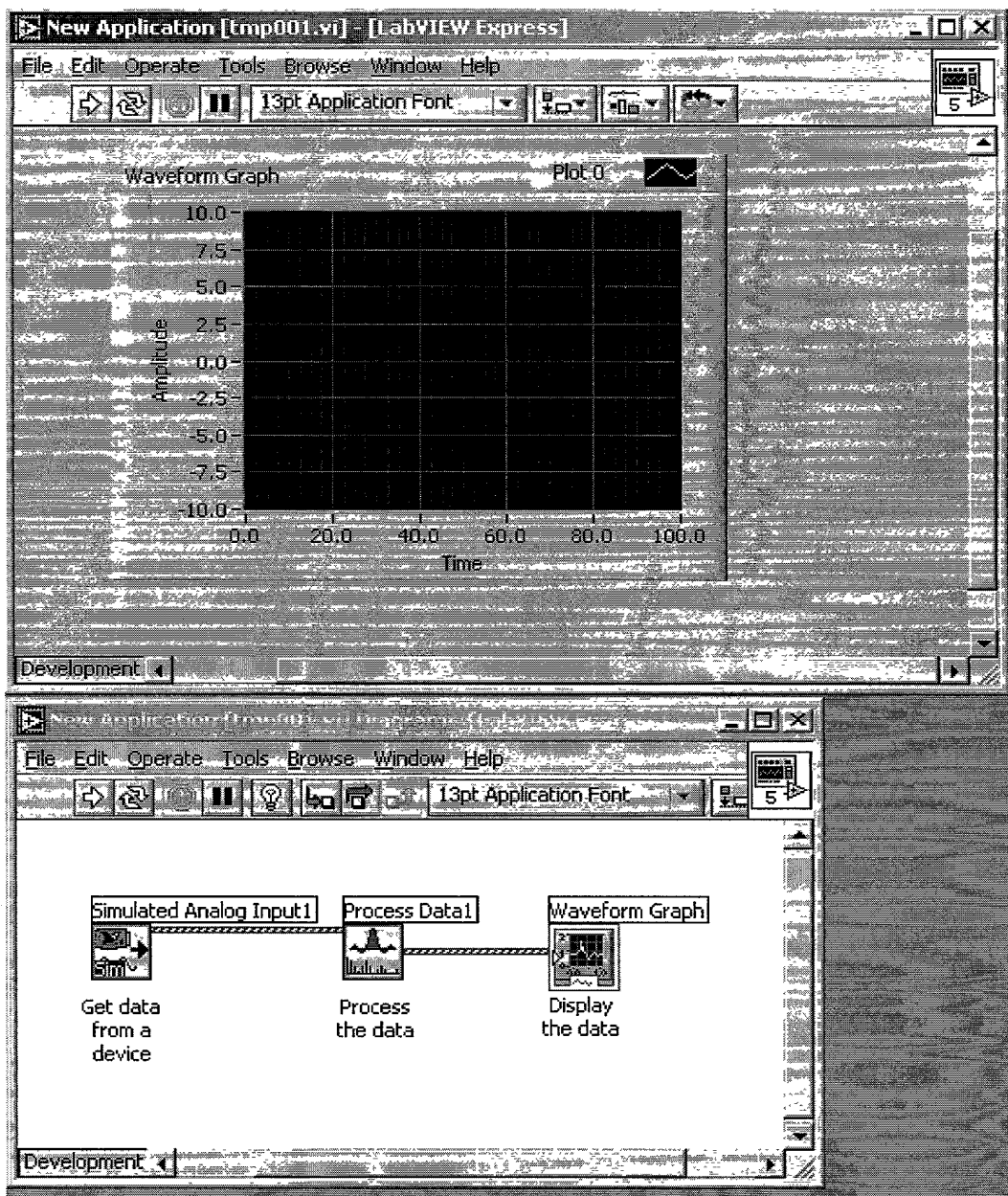


FIG. 20

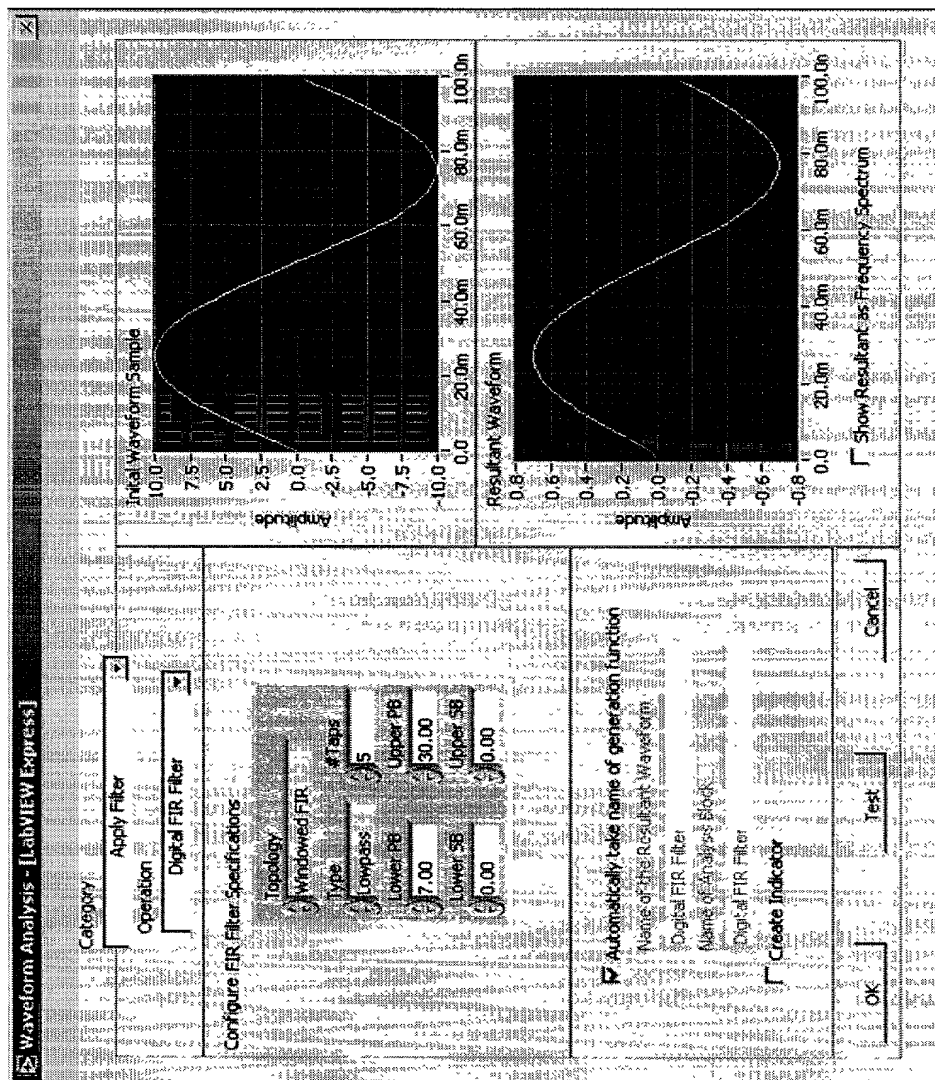


FIG. 21

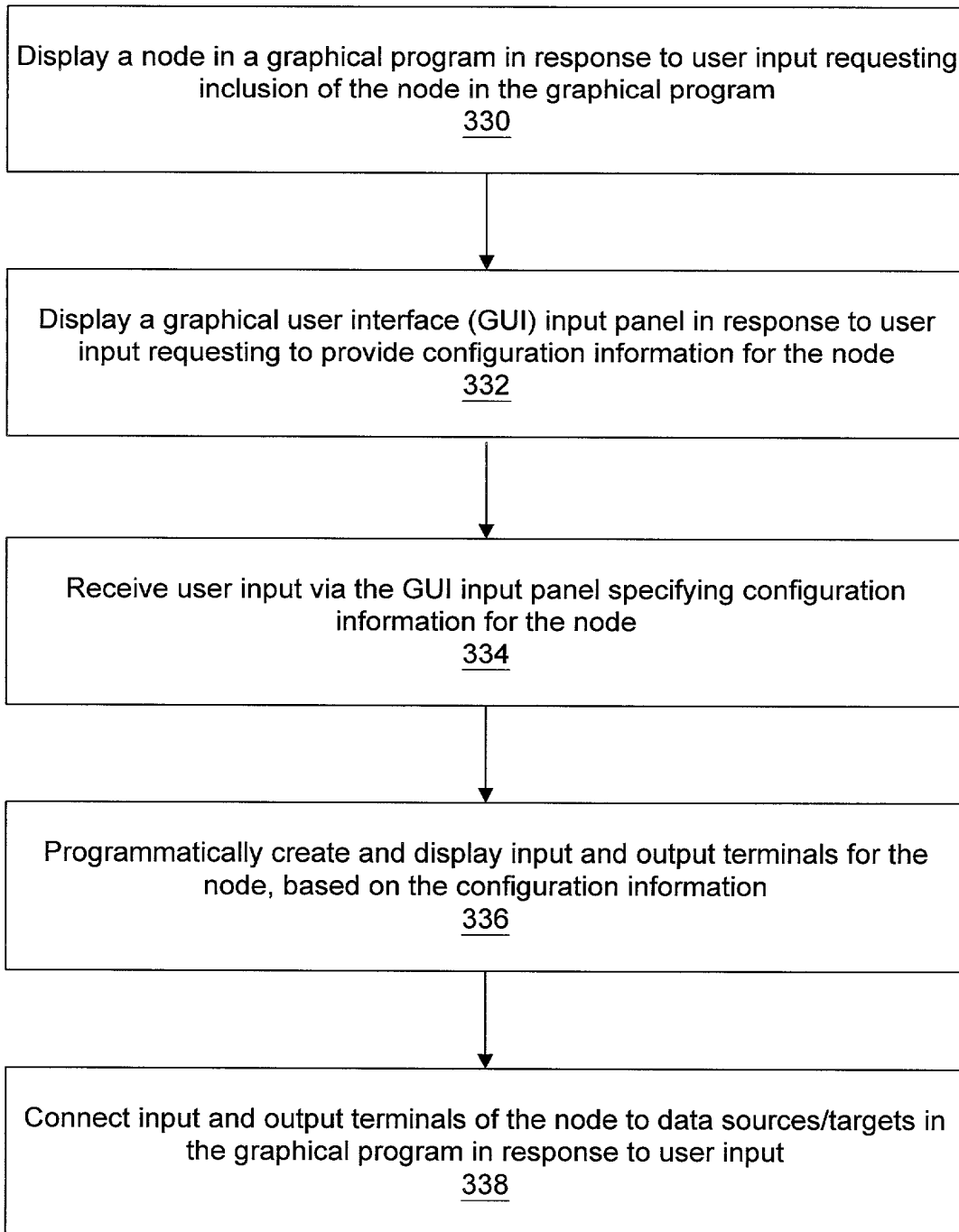


FIG. 22

100250" 5E29350

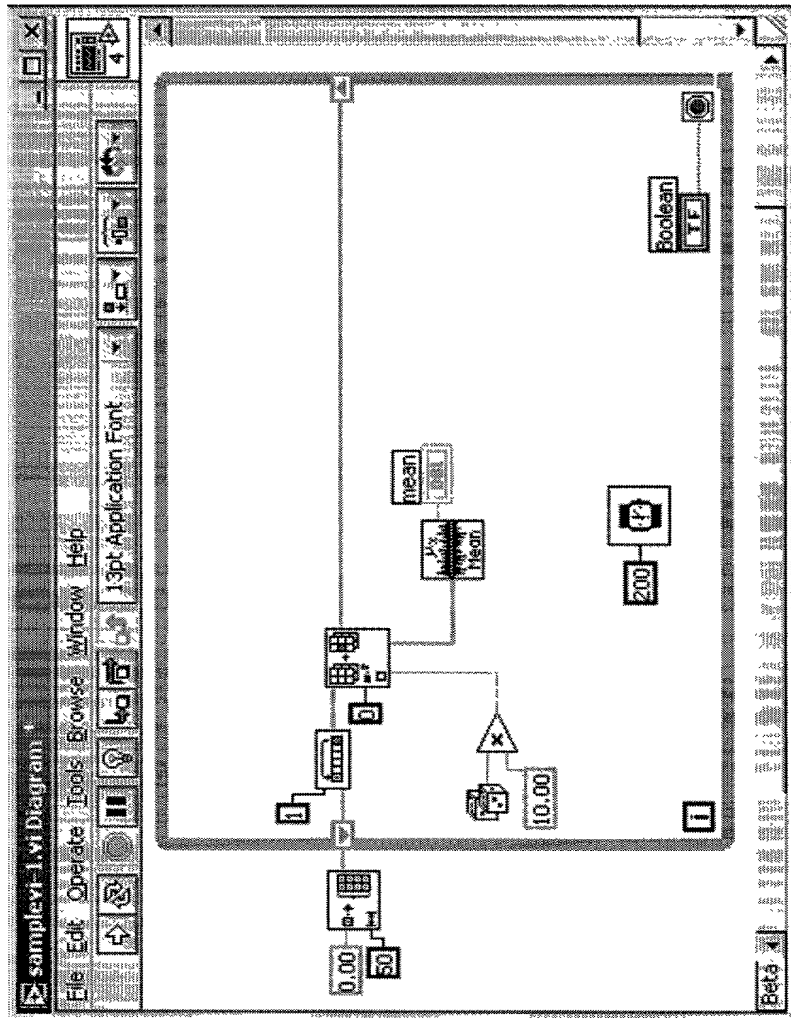


FIG. 23  
(PRIOR ART)



100230" 5E23850

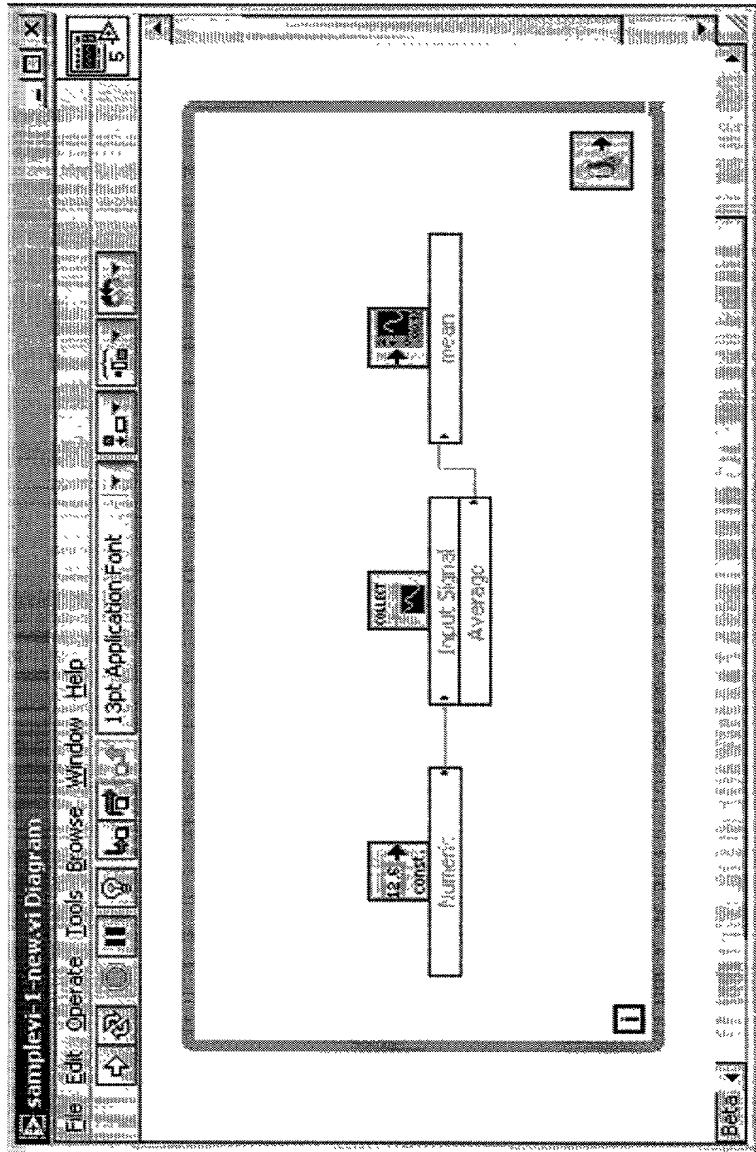


FIG. 25

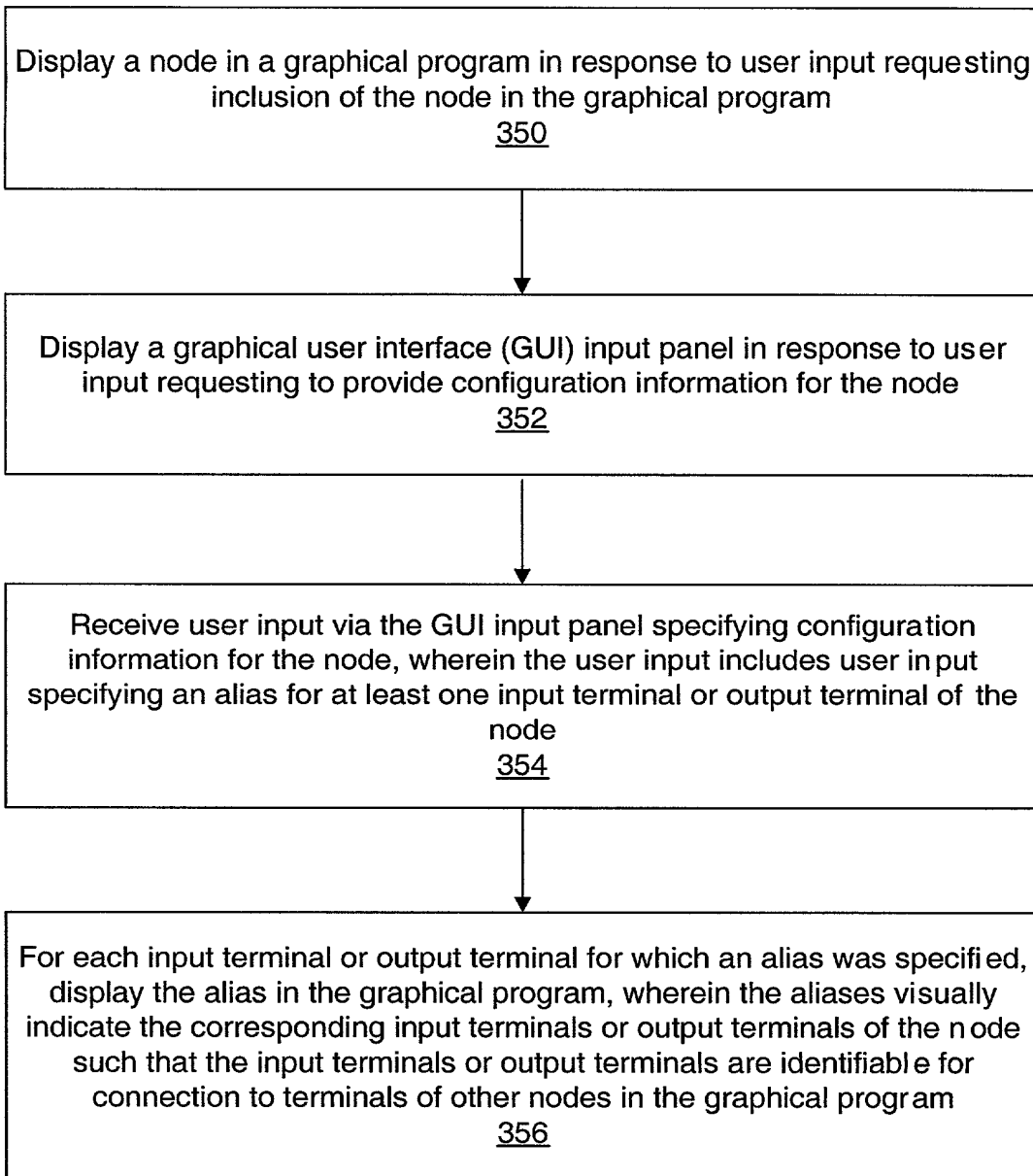


FIG. 26

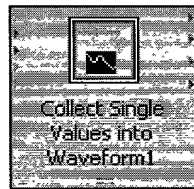


FIG. 27



100230" 6E29850

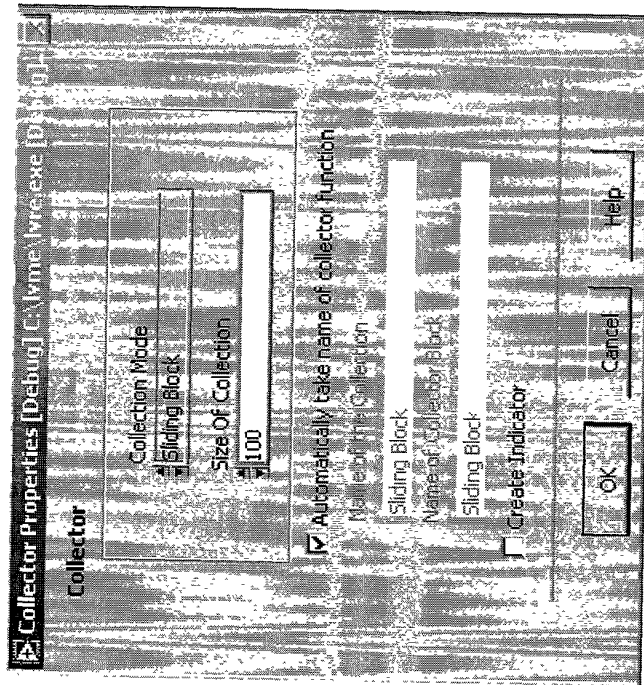


FIG. 28

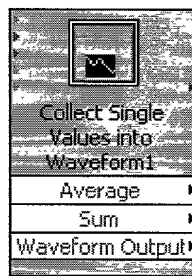


FIG. 29

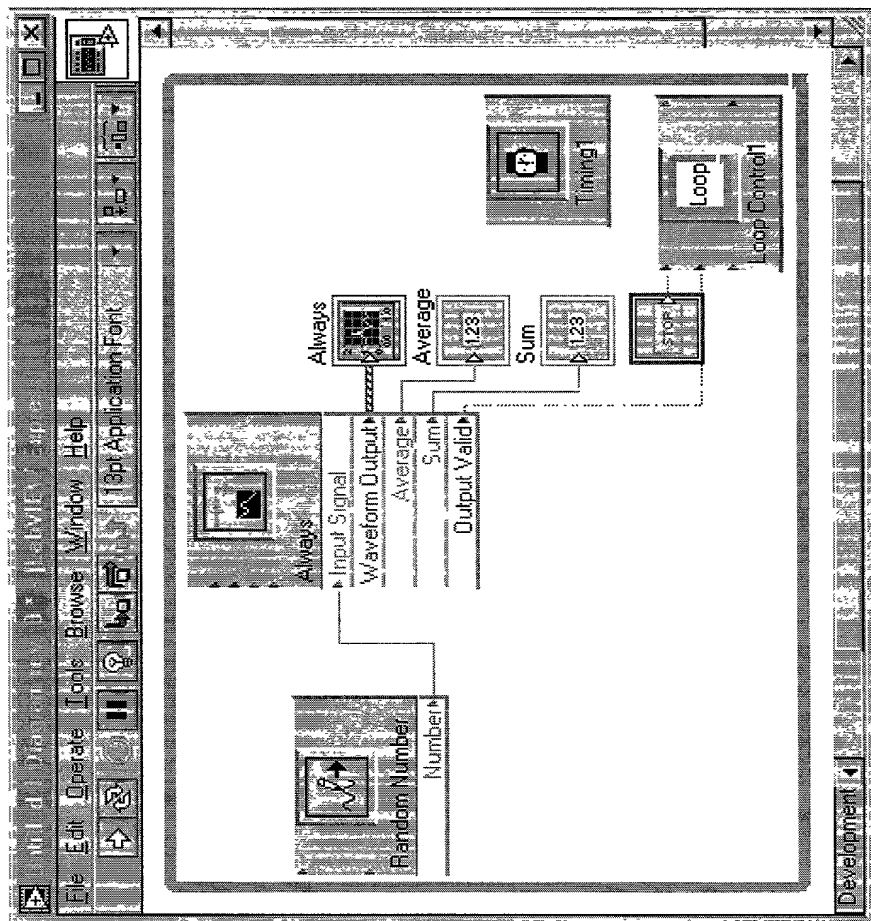


FIG. 30

FIG. 30

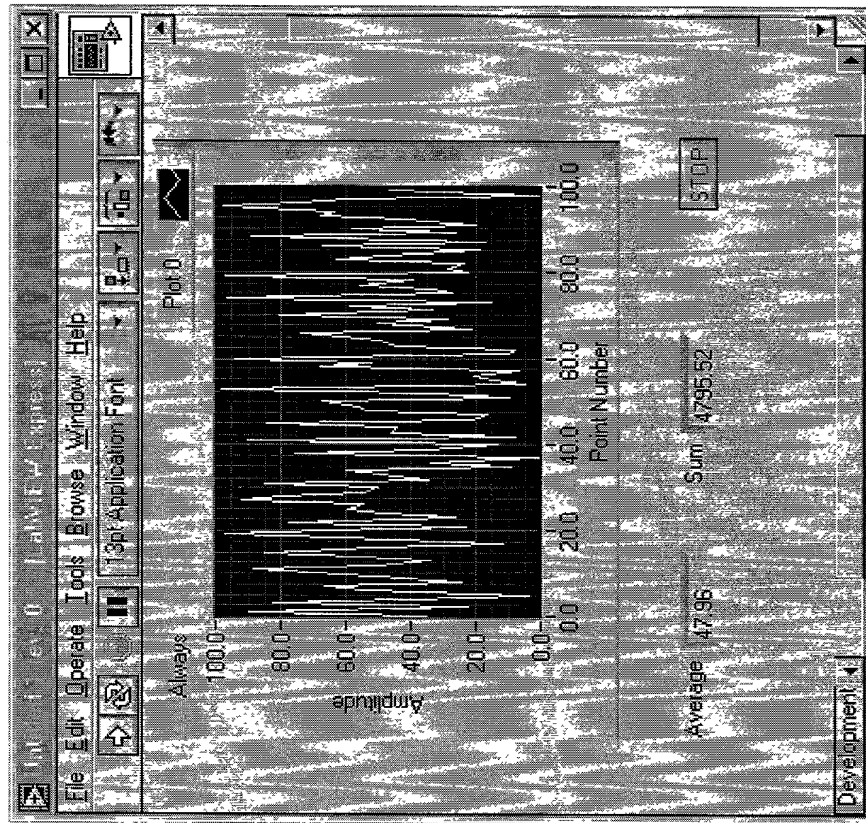


FIG. 31



The screenshot displays the 'collectorTest.vi [Debug]' application window. The title bar indicates the file path 'C:\vme\lvre.exe'. The menu bar includes 'File', 'Edit', 'Operate', 'Tools', 'Browse', 'Window', and 'Help'. The toolbar contains icons for file operations, a font size dropdown set to '13pt Application Font', and other controls. A 'Slide' control is visible on the left, with a vertical slider and a 'Plot 0' button. The main area contains three plots:

- Original Data:** A line graph showing 'Amplitude' (0.0 to 10.0) versus 'Time' (250 to 300). The plot shows a signal with two peaks, one around time 275 and another around time 295.
- Waveform Chart:** A line graph showing 'Amplitude' (0.0 to 10.0) versus 'Time'. It displays two waveforms: 'Avg of 100 Samples' (a smooth curve) and 'Avg of 10 Samples' (a more jagged curve).
- Amplitude 2:** A line graph showing 'Amplitude 2' (0.0 to 10.0) versus 'Time'. It displays a smooth curve with two peaks, similar to the 'Original Data' plot.

At the bottom, there are two text boxes labeled 'Average of 100 Samples' and 'Average of 10 Samples', with values 3.69 and 3.05 respectively. The status bar at the bottom left shows 'Development'.

FIG. 33

100290" 6229260

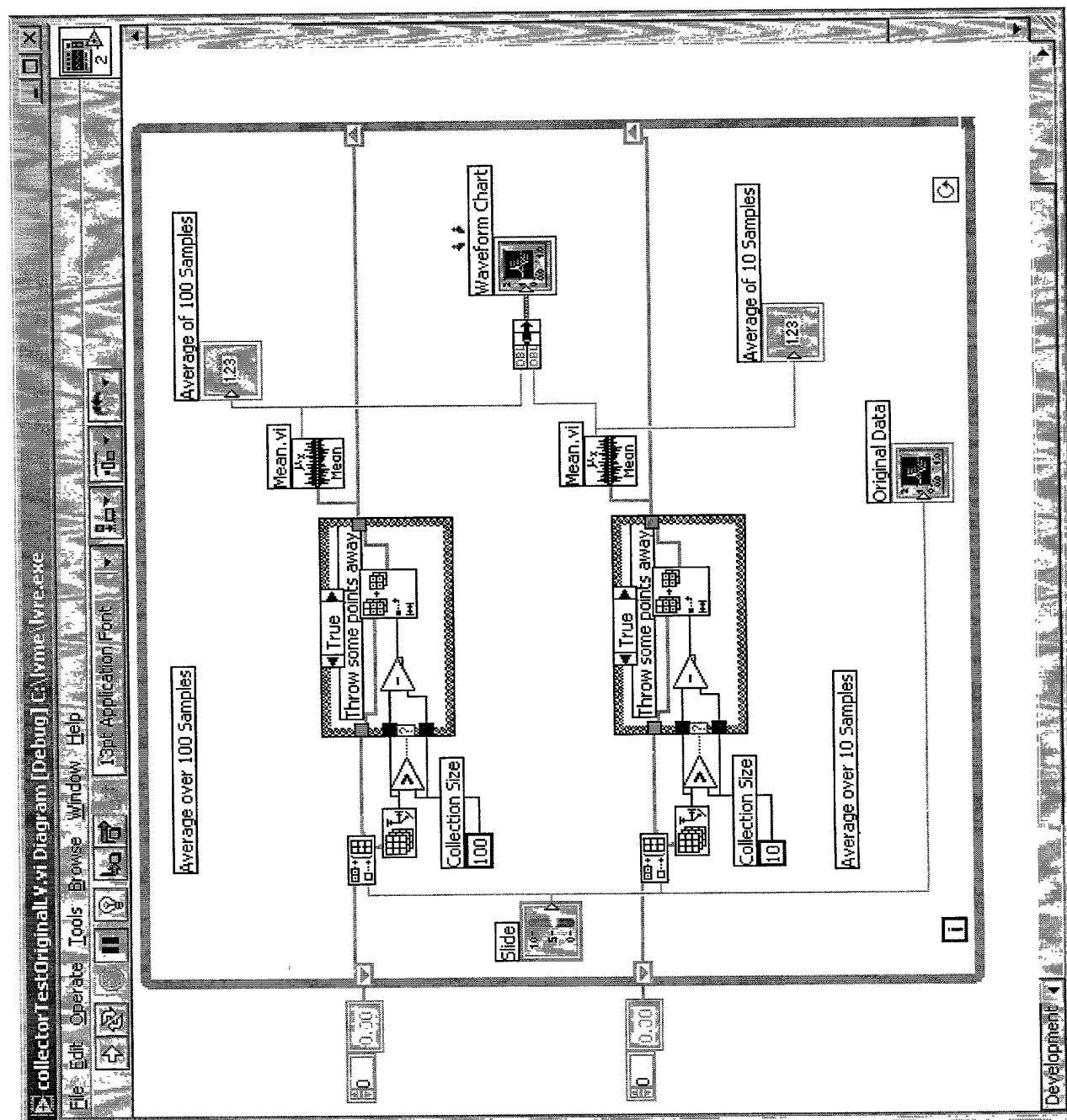


FIG. 34  
(PRIOR ART)